

To: Larry Lester

From: DINO TORIS

Re: Groundwater Use Restriction
GIS Registry Data

Site Name/Address:

HAZELTON LABORATORIES
3301 KINSMAN BLVD.
MADISON, WI

BRRTS #:

03-13-001256

Date of Closure Decision:

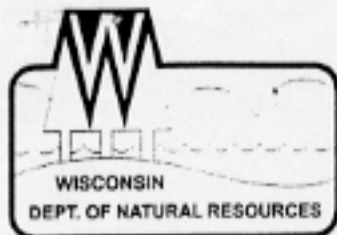
11-23-99

☐ Off-site Contamination

☐ Right-of-way Contamination

Packet Contains:

- ① Closure Letter
- ② Conditional closure letter
- ③ All property deeds with 140 ES exceedances
- ④ Metes/bounds legal description (certified survey)
- ⑤ Tax parcel number
- ⑥ GPS data for each affected property
- ⑦ General location map
- ⑧ Detailed location map, showing all parcels affected by 140 ES exceedances, property boundaries, buildings, etc.
- ⑨ Latest map showing gw flow direction, MW, potable wells. [optional: Isoconcentration maps of compounds => ES]
- ⑩ Latest map showing extent or outline of contamination plume and gw flow direction
- ⑪ Latest table of analytical results
- ⑫ Geologic cross section



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

November 23, 1999

File Ref: Dane County
03-13-001256

Mr. Todd Meyer
Covance Laboratories
PO Box 7545
Madison, WI 53707

Subject: Final Closure - Hazleton Laboratories Site 1, 3301 Kinsman Blvd, Madison

Dear Mr. Meyer:

The Department has received the monitoring well abandonment forms and completed groundwater use restriction for this site. With this information the Department considers this site closed and no further action is required.

Sincerely,

Michael Schmoller
Hydrogeologist
608-275-3303



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruth E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

November 2, 1999

File Ref: 03-13-001256

Mr. Todd Meyer
Covance Laboratories
PO Box 7545
Madison, WI 53707

Subject: Conditional Site Closure: Hazleton Laboratories Site 1, 3301 Kinsman Blvd, Madison

Dear Mr. Meyer:

On October 5, 1999, your request for closure of the site named above was reviewed by the South Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. The contamination on the site property appears to have been remediated to the extent practicable under site conditions. Your case will be granted closure under s. NR 726.05, Wis. Adm. Code, when the following conditions have been met.

MONITORING WELL ABANDONMENT The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to us on forms provided by the Department.

GROUNDWATER USE RESTRICTION The closure committee has required that a groundwater use restriction be prepared and recorded at the county register of deeds office to address the issue of remaining groundwater contamination associated with the site. The purpose of this document is to restrict the use of groundwater that may be contaminated in the vicinity of the site. The use restriction is attached. You must sign it, have it recorded by the Dane County Register of Deeds, and submit a copy with the proof of filing to the Department.

When the above conditions have been met, a final case closure letter will be sent to you. Please be aware that the site case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the sites poses a threat to public health, safety, or welfare or to the environment.

Sincerely,

Michael Schmoller
Hydrogeologist
608-275-3303



Document Number

GROUNDWATER USE RESTRICTION

Declaration of Restrictions

In Re: See Attached Description

STATE OF WISCONSIN)
) ss
COUNTY OF DANE)

Recording Area

Name and Return Address

Todd Meyer
Covance Labs. Inc.
3301 Kinsman Boulevard
Madison WI 53704

WHEREAS, Covance Laboratories, Inc. is the owner of the above-described property.

WHEREAS, one or more chlorinated organic chemical discharges have occurred on this property. Organic chemical contaminated groundwater above Ch. NR 140 Wis. Adm.

Code enforcement standards existed on this property at the following location on the following date: monitoring wells MW12 and MW 21 had exceedances for benzene, naphthalene and vinyl chloride on August 5, 1999.

081029400801

Parcel Identification Number (PIN)

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding NR 140 groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in Ch. NR 809 is restricted by Chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific

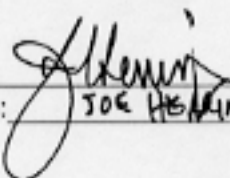
requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, JOE HEARING asserts that he/she is duly authorized to sign this document on behalf of Covance Laboratories, Inc.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 11 day of NOVEMBER, 1999.

Signature: 

Printed Name: JOE HEARING

Subscribed and sworn to before me
this 11 day of November, 1999

Nancy Harts
Notary Public, State of WI
My commission expires 4/21/02

This document was drafted by the Wisconsin Department of Natural Resources.

1779C89

VOL. 4464 PAGE 14

RECEIVED
DATE
BY

MAY 5 1983

VOL. 4464 Pg. 14
OFFICE OF THE
REGISTER OF DEEDS

Ralston Purina Company, a Missouri corporation

conveys and warrants to Hazleton Raltech, Inc., a Delaware corporation

the following described real estate in Dane County, State of Wisconsin:

Those lands described in Exhibit A attached hereto and incorporated herein by reference.

RETURN TO Stroud et al
PO Box 2236
Madison, Wis 53701

Tax Parcel No:

TRANSFER
\$35,181.00
FEE PAID

This deed is given in fulfillment of an Option to Purchase the real estate described herein contained in Section 2.B. of Exhibit B to the Agreement of Lease dated January 4, 1982 by and between Ralston Purina Company and Hazleton Raltech, Inc. which Option to Purchase and Agreement of Lease are referred to in a Memorandum of Lease between the parties dated January 4, 1982 and recorded January 4, 1982 in the office of the Register of Deeds for Dane County, Wisconsin, in Volume 3319 of Records, page 1, as Document No. 1728900. Said Agreement of Lease is hereby terminated.

This is not homestead property.
(is) (is not)

Exception to warranties: Subject to easements and restrictions described in Exhibit B attached hereto and incorporated herein by reference.

Dated this 2nd day of May, 1983

By: P. H. Hatfield (SEAL) HTN
GROUP VICE PRESIDENT P. H. Hatfield
By: J. A. Fraser (SEAL)
ASSISTANT SECRETARY J. A. Fraser

AUTHENTICATION

Signature(s)

authenticated this 2nd day of May, 1983

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not authorized by § 706.06, Wis. State.)

THIS INSTRUMENT WAS DRAFTED BY

Attorney Robert J. Schwab

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF MISSOURI

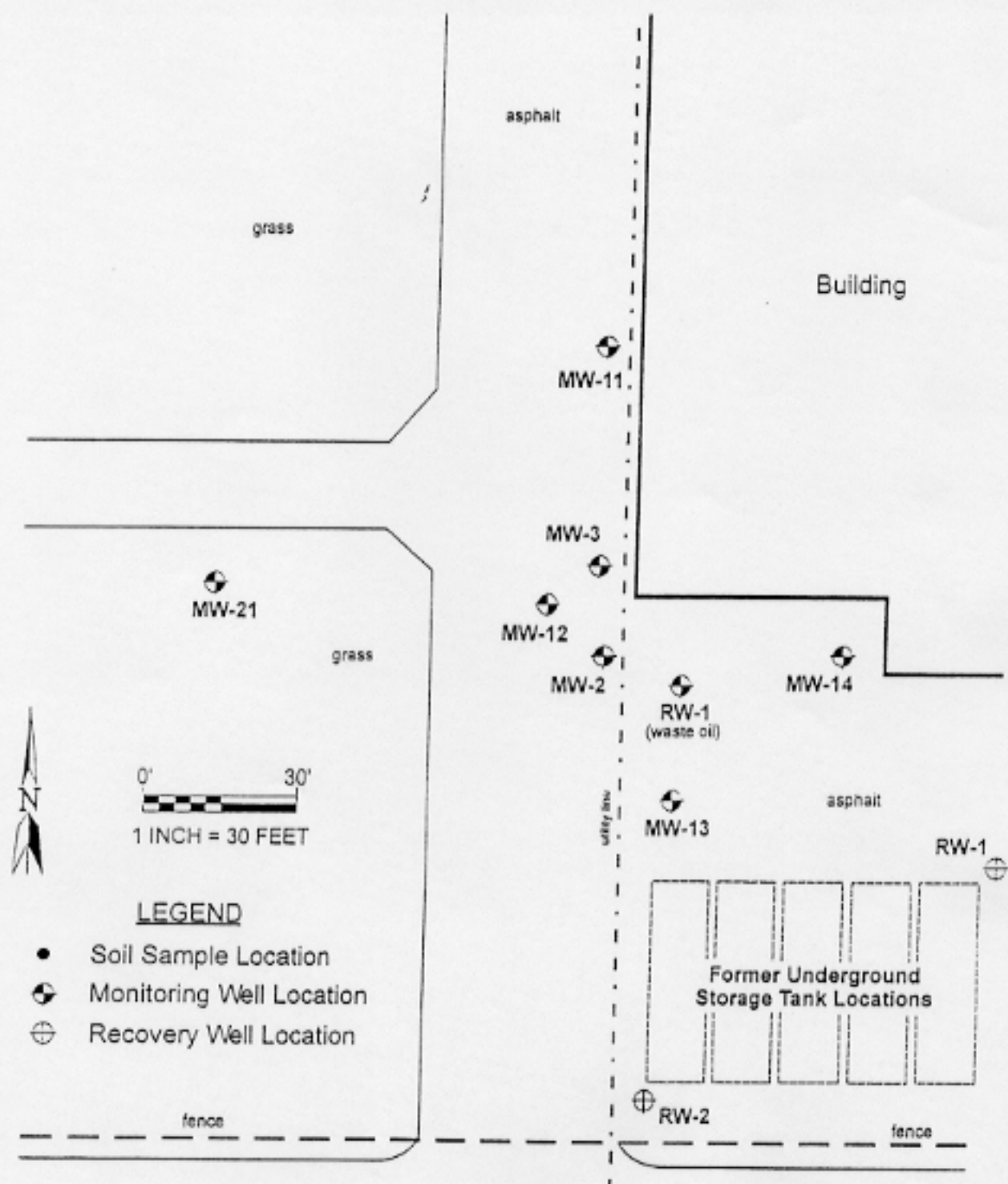
CITY OF ST. LOUIS

Personally came before me this 2nd day of May, 1983 the above named
P. H. Hatfield, Group Vice President
and J. A. Fraser, Assistant Secretary

to me known to be the person S who executed the foregoing instrument and acknowledge the same.

Notary Public St. Louis City, MO
My Commission is permanent (if not, state expiration date: May 28, 1985)
LORETTA A. LORRY
Notary Public, State of Missouri

1400



FILE/PATH: C:\DATA\PROJECTS\COVANCE\FIGURES\ SITE MAP.CDR
 DATE: 5/7/99
 PREPARED: CER APPROVED:
 SOURCE: FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL
 SERVICES, INC.

WELL LOCATIONS
 COVANCE LABORATORIES, INC.
 3301 KINSMAN BLVD.
 MADISON, WISCONSIN

FIGURE
 2

1:1 TO 24 INCH SCALE FOR MAPS AND VIEWS
 2:1 TO 24 INCH SCALE FOR SECTION VIEWS

Real Property

The legal description of the real property conveyed by Ralston Purina Company to Hazleton Raltech, Inc.:

PARCEL I

A parcel of land located in the West 1/2 of the Southeast 1/4 and the East 1/2 of the Southwest 1/4 of Section 29, Township 8 North, Range 10 East, in the City of Madison, Dane County, Wisconsin, described as follows: Commencing at the South quarter corner of said Section 29; thence North 88° 33' 48" West, 360.79 feet; thence North 01° 26' 12" East, 1056.79 feet to the point of beginning; thence continuing North 01° 26' 12" East, 1337.90 feet; thence South 88° 34' 23" East, 756.96 feet; thence South 01° 26' 12" West, 1337.90 feet; thence North 88° 34' 23" West, 756.96 feet to the point of beginning; together with Outlot A Certified Survey Map No. 1388, recorded in Vol. 6 of Certified Surveys page 42, as Document No. 1390226, and revised Certified Survey Map No. 1479, recorded in Vol. 6 of Certified Surveys, page 175, as Document No. 1404343, Dane County Registry;

EXCEPTING: A parcel of land located in the Southwest 1/4 of the Southeast 1/4 and the Southeast 1/4 of the Southwest 1/4 of Section 29, Township 8 North, Range 10 East, in the City of Madison, Dane County, Wisconsin, described as follows: Commencing at the South quarter corner of said Section 29; thence along the South line of said Section 29, North 89° 03' 03" West, a distance of 360.80 feet to the Easterly right-of-way line of Johnson Street n/k/a Pearson Street, 80 feet wide; thence along said Pearson Street line North 01° 26' 12" East, a distance of 1059.86 feet to the point of beginning of this description; said description to point of beginning also described as: commencing at the South quarter corner of said Section 29; thence North 88° 33' 48" West, 360.79 feet; thence North 01° 26' 12" East, 1056.79 feet to the point of beginning; thence continuing along said Pearson Street line North 01° 26' 12" East, a distance of 253.00 feet; thence through lands of grantor herein South 88° 34' 23" East, a distance of 756.96 feet; thence South 01° 26' 12" West, a distance of 253.00 feet; thence along the South line of lands of grantor herein, and parallel to the North line of the property herein described North 88° 34' 23" West, 756.96 feet to the point of beginning;

AND EXCEPTING: A parcel of land located in the Northwest 1/4 of the Southeast 1/4 and the Northeast 1/4 of the Southwest 1/4 of Section 29, Township 8 North,

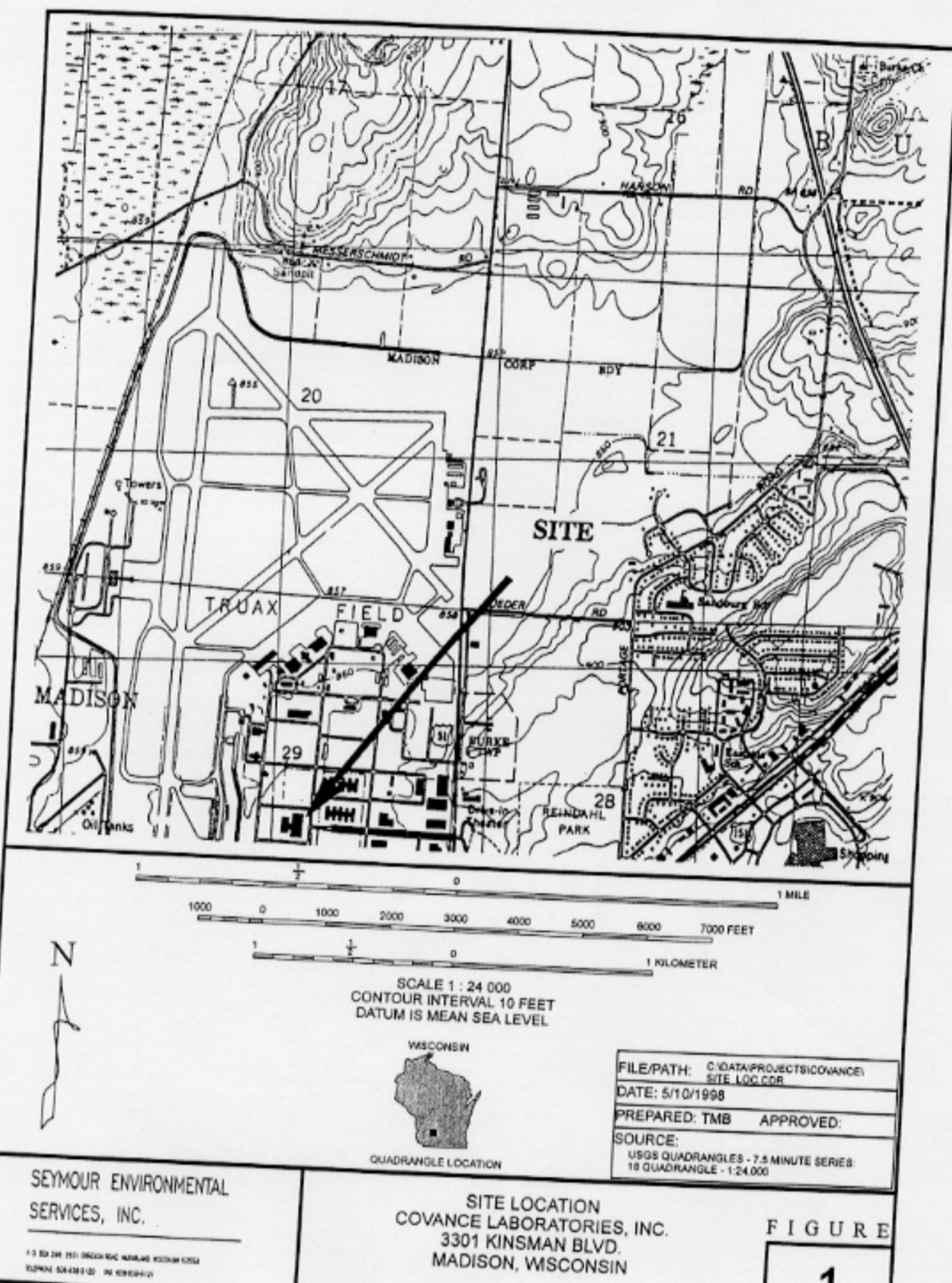
Range 10 East, in the City of Madison, Dane County, Wisconsin, described as follows: Commencing at the South quarter corner of said Section 29; thence along the South line of said Section 29, North $89^{\circ} 03' 03''$ West, a distance of 360.80 feet to the Easterly right-of-way line of Pearson Street, 80 feet wide; thence along said right-of-way line North $01^{\circ} 26' 12''$ East, a distance of 2397.76 feet to the point of beginning of this description; said description to point of beginning also described as: Commencing at the South quarter corner of said Section 29; thence North $88^{\circ} 33' 48''$ West, 360.79 feet; thence North $01^{\circ} 26' 12''$ East, 2394.69 feet to the point of beginning; thence along the North line of lands of the grantor herein, South $88^{\circ} 34' 23''$ East, a distance of 756.96 feet; thence South $01^{\circ} 26' 12''$ West, a distance of 258.90 feet; thence through lands of the grantor herein North $88^{\circ} 34' 23''$ West, a distance of 756.96 feet to the Easterly right-of-way line of aforesaid Pearson Street; thence along said Pearson Street line North $01^{\circ} 26' 12''$ East, a distance of 258.90 feet to the point of beginning.

PARCEL II

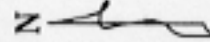
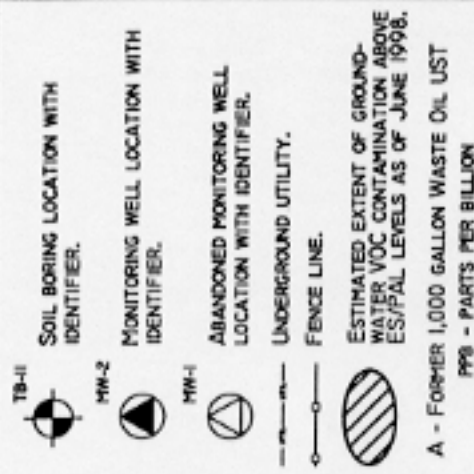
A parcel of land located in the Northwest $1/4$ of the Southeast $1/4$ and the Northeast $1/4$ of the Southwest $1/4$ of Section 29, Township 8 North, Range 10 East, in the City of Madison, Dane County, Wisconsin, described as follows: Commencing at the South quarter corner of said Section 29; thence along the South line of said Section 29, North $89^{\circ} 03' 03''$ West, a distance of 360.80 feet to the Easterly right-of-way line of Pearson Street, 80 feet wide; thence along said right-of-way line North $01^{\circ} 26' 12''$ East, a distance of 2612.79 feet, to the Southerly right-of-way line of Bowman Street n/k/a Pierstorff Street, 80 feet wide and the point of beginning of this description; said description to point of beginning also described as: Commencing at the South quarter corner of said Section 29; thence North $88^{\circ} 33' 48''$ West, 360.79 feet; thence North $01^{\circ} 26' 12''$ East, 2609.72 feet to the point of beginning; thence along said Pierstorff Street right-of-way line South $88^{\circ} 34' 23''$ East, a distance of 790.25 feet; thence continuing along said Pierstorff Street line South $89^{\circ} 23' 38''$ East, a distance of 29.71 feet; thence South $01^{\circ} 26' 12''$ West, a distance of 474.36 feet; thence North $88^{\circ} 34' 23''$ West, a distance of 819.96 feet to a point on the Easterly right-of-way line of aforesaid Pearson Street; thence along said Pearson Street line North $01^{\circ} 26' 12''$ East, a distance of 473.93 feet to the point of beginning.

Exceptions To Warranties

1. General and special taxes for the current year and subsequent years.
2. Public or private rights, if any, in such portion of the captioned premises as may be used, laid out or dedicated in any manner whatsoever for street, highway or alley purposes.
3. Conditions and Limitations contained in instrument recorded on September 28, 1972 in Volume 473 of Records, page 241, as Document No. 1379236.
4. Declaration of Covenants, Conditions, Restrictions and Easements contained in instrument recorded on November 19, 1973 in Volume 483 of Records, page 149, as Document No. 1383243.
Amendment recorded on March 5, 1974 in Volume 500 of Records, page 17, as Document No. 1390691.
Amendment #2 recorded on June 15, 1978 in Volume 959 of Records, page 407, as Document No. 1577128.
5. Declaration contained in instrument recorded on February 14, 1974 in Volume 497 of Records, page 585, as Document No. 1389369.
6. Reservations, Conditions, Restrictions and Easements contained in instrument recorded on November 19, 1973 in Volume 483 of Records, page 203, as Document No. 1383263.
7. Conditions and Easements contained in instrument recorded on November 15, 1971 in Volume 298 of Records, page 122, as Document No. 1309671.
8. Conditions set forth in Deed of Release, recorded on November 15, 1971 in Volume 299 of Records, page 1, as Document No. 1309669.
9. Easements set forth on Certified Survey Map No. 1388, recorded in Volume 6 of Certified Surveys, page 42, as Document No. 1390226, and revision thereof recorded as Certified Survey Map No. 1479, recorded in Volume 6 of Certified Surveys, page 175, as Document No. 1404343.
10. Conditions contained in instrument recorded on April 19, 1974 in Volume 506 of Records, page 855, as Document No. 1394656.
11. Right of Way Grant Underground Electric-Gas to Madison Gas and Electric Company contained in instrument recorded on January 31, 1973 in Volume 412 of Records, page 197, as Document No. 1353889.
12. Easements reserved in Resolution vacating part of Kinsman Boulevard filed October 2, 1973 as Document No. 1379530.



EXPLANATION



SCALE IS APPROXIMATE

FILE: J:\SHARED\FIGURES\105476\CURGWCTH.DWG

DATE: 8/8/98 DRAWN BY: MLW CHECKED BY: BON

SOURCE:
FLUID MANAGEMENT SITE INVESTIGATION REPORT
AND FIELD NOTES

CONCRETE CONSTRUCTION BUILDING

ASPHALT

FORMER
FUEL OIL FACILITY
ENCLOSURE

GRAVEL

GATE

GRASS

DRAINAGE
DITCH



LIESCH ENVIRONMENTAL SERVICES, INC.
 6000 GISHOLT DRIVE, SUITE 203
 MADISON, WI 53713

CURRENT AERIAL EXTENT OF GROUNDWATER CONTAMINATION

COVANCE - WASTE OIL UST SITE

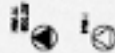
3301 KINSMAN BOULEVARD

MADISON, WISCONSIN

FIGURE

7

EXPLANATION



MONITORING WELL LOCATION WITH ELEVATION AND ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL



ASSUMED MONITORING WELL LOCATION WITH ELEVATION



UNDERGROUND UTILITY



FENCE LINE



GROUNDWATER CONTOUR LINE WITH ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL



GROUNDWATER FLOW DIRECTION

A - FORMER 1000 GALLON WASTE OIL TST

NO - NO DATA AVAILABLE

NOTE: DATES INDICATE WHEN WATER LEVELS WERE MEASURED



SCALE IS APPROXIMATE

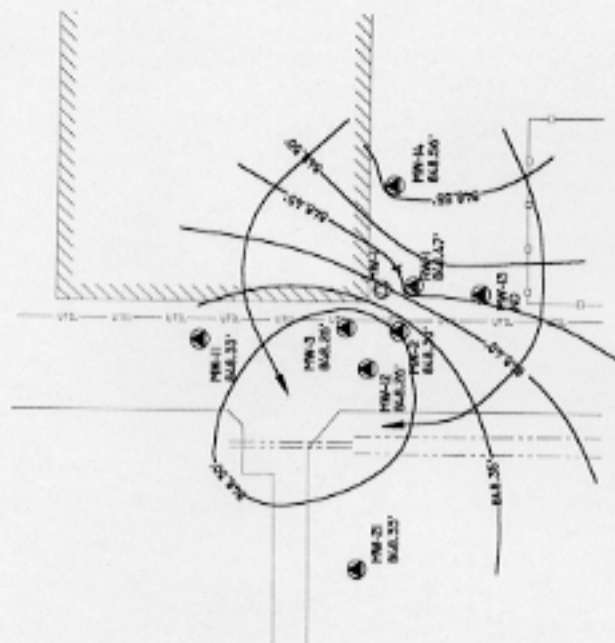
FILE: J:\CHAMBERS\WATER\CONTOURS

SOURCE: DRAWN BY: PLW CHECKED BY: GAN

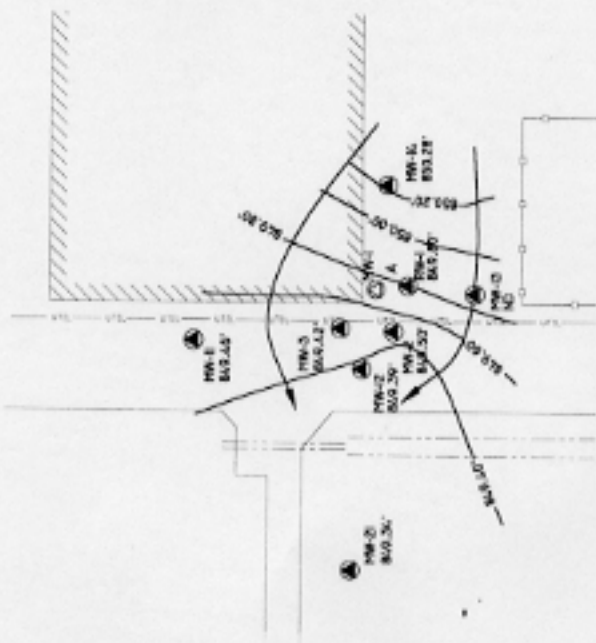
DATE: 12/15/98

PROJECT: GROUNDWATER MONITORING

AND FIELD NOTES



DECEMBER 15, 1998



SEPTEMBER 22, 1998

GROUNDWATER CONTOUR MAP
COVANCE - WASTE OIL TST SITE
3301 KINSMAN BOULEVARD
MADISON, WISCONSIN



LESH ENVIRONMENTAL SERVICES, INC.
8000 CASHOLT DRIVE, SUITE 203
MADISON, WI 53713

FIGURE

2

Table 1, Page 1
Summary of Groundwater Data-by well
COVANCE LABORATORIES-WASTE OIL TANK SITE
Madison, Wisconsin

Sample I.D.	Well Location	Date Sampled	DRO	Benzene	Ethylbenzene	Naphthalene	Toluene	Trimethylbenzene (total)	Total xylenes	Chloroethane	Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	cis-1,2 Dichloroethane	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Cadmium	Lead
MW-1	Plume	10/25/94	2,600	<0.0	25	77	100	128	110	<0.0	<60	24	<20	60	29	22	<20	<60	<0.5	5.9
RW-1	Plume	6/17/98	3000	0.6	0.6	62	3.7	14	26.5	<0.70	<0.40	14	<0.20	31	6.9	1.9	1.1	6.0	<0.2	3
RW-1	Plume	9/22/98	2,800	<0.30	<0.20	3.2	0.20	6.9	<0.80	<0.80	<1.2	>0.20	<0.20	4.1	4.0	<0.30	1.8	<0.50	<0.2	<1
RW-1	Plume	12/15/98	2,300	<0.30	<0.20	1.4	<0.20	4.2	<0.80	<0.80	<1.2	1.4	<0.20	2	<0.60	<0.30	0.8	0.5	<0.20	<1
RW-1	Plume	3/11/99	NA	<0.2	1.09	5.13	0.649	5.31	1.541	<0.5	<0.5	<0.5	<0.5	0.758	<0.5	<0.5	1.77	0.533	<0.20	<1
RW-1	Plume	8/5/99	NA	<0.15	0.78	3.14	<0.4	3.29	1.26	<0.15	4.66	<0.15	<0.15	0.15	0.27	<0.15	0.51	0.33	<0.26	2.42
MW-2	Plume	10/25/94	170	<1.0	10	19	5.9	24	29	<4.0	<3.0	<2.0	25	28	<1.0	<1.0	<1.0	6.7	<0.5	<1.5
MW-2	Plume	7/17/95	8300	16	34	68	32	73	59	<20	<15	74	<5.0	<5.0	<5.0	<5.0	<5.0	57	NA	NA
MW-2	Plume	11/30/95	<100	0.72	9.1	23	2.6	24	10	<4.0	<3.0	2.4	<1.0	12	<1.0	<1.0	<1.0	11	NA	NA
MW-2	Plume	4/3/97	0.3	0.4	1.0	1.7	<0.4	0.8	1.9	<1.2	<0.49	0.93	<0.2	<0.23	<0.63	<0.3	<0.49	1.7	NA	NA
MW-2	Plume	6/17/98	2700	1.2	3.5	7.8	2.0	2.7	4.5	1.0	<0.40	7.5	<0.20	0.9	<0.20	<1.0	<0.20	12	2.9	3
MW-2	Plume	9/22/98	1,800	5.5	22	41	0.90	7.0	3.3	<0.80	<1.2	19	<0.20	<0.20	2.1	<0.30	0.6	4.4	1.6	<1
MW-2	Plume	12/15/98	280	0.70	<0.20	1.9	<0.20	0.6	<0.80	<0.80	<1.2	3.8	<0.20	<0.20	<0.60	<0.30	<0.30	2.6	3.3	<1
MW-2	Plume	3/11/99	NA	1.08	4.16	10.7	2.06	14.5	8.97	<0.5	0.578	6.62	<0.5	<0.5	<0.5	<0.5	0.4	1.22	<0.26	1.65
MW-2	Plume	8/5/99	NA	2.67	19.8	76.4	4.63	47.29	23.35	<1.5	<1.5	14.7	<1.5	<1.5	<1.5	<1.5	<4.0	<1.1	NA	NA
WDNR PAL			NS	0.5	140	8	68.6	96	124	80	200	85	0.5	7	0.5	40	0.5	0.02	0.5	1.5
WDNR ES			NS	5	700	40	343	480	620	400	1000	850	5	70	5	200	5	0.2	5	15

Table 1, Page 2
Summary of Groundwater Data-by well
COVANCE LABORATORIES-WASTE OIL TANK SITE
Madison, Wisconsin

Sample I.D.	Well Location	Date Sampled	DRO	Benzene	Ethylbenzene	Naphthalene	Toluene	Trimethylbenzene (total)	Total xylenes	Chloroethane	Dichloromethane	1,1-Dichloroethane	1,2-Dichloroethane	cis-1,2 Dichloroethane	Tetrachloroethane	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Cadmium	Lead
MW-3	Plume	10/25/94	500	6.5	17	46	8.3	32	36	6.6	<3.0	63	<1.0	110	<1.0	<1.0	<1.0	<3.0	<0.5	<1.5
MW-3	Plume	7/17/95	5700	6.5	19	35	4.6	36	45	<4.0	<3.0	48	<1.0	66	<1.0	<1.0	<1.0	<3.0	NA	NA
MW-3	Plume	11/30/95	<100	1.6	4.1	15	1.6	6	9.8	<4.0	<3.0	13	<1.0	13	<1.0	<1.0	<1.0	40	NA	NA
MW-3	Plume	4/3/97	0.8	2.2	2.1	10	2	5.9	7.8	<1.2	2.2	15	<0.2	<0.23	<0.63	<0.3	<0.49	45	NA	NA
MW-3	Plume	6/17/98	750	2.6	3.6	6.9	3.6	3.9	8.3	0.90	1.0	17	<0.20	<0.20	<0.60	<0.30	<0.30	36	<0.2	1
MW-3	Plume	9/22/98	2,300	2.9	5.2	13	3.2	9.1	12.8	<0.80	1.2	18	<0.20	<0.20	<0.60	<0.30	<0.30	18	<0.2	<1
MW-3	Plume	12/15/98	2,300	1.6	3.5	17	1.8	6.7	5.8	<0.80	<1.2	8.9	<0.20	<0.20	<0.60	<0.30	<0.30	16	0.202	<1
MW-3	Plume	3/11/99	NA	1.57	2.86	6.25	1.27	4.689	3.93	0.54	2.09	8.75	<0.5	<0.5	<0.5	<0.5	<0.4	13.9	<0.26	7.32
MW-3	Plume	8/5/99	NA	1.08	3.98	11.2	0.65	5.54	4.3	0.29	<0.25	9.26	<0.15	0.18	<0.15	<0.15	<0.4	3.27	NA	NA
MW-11	Sidegradient	11/30/95	<100	<0.5	<1.0	<1.0	<1.0	<2.0	<3.0	<4.0	5.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	NA
MW-11	Sidegradient	4/3/97	<0.1	<0.3	<0.4	<0.4	<0.4	<0.6	<1.1	<1.2	4.0	<0.25	<0.2	<0.23	<0.63	<0.3	<0.49	<0.5	NA	NA
MW-11	Sidegradient	6/17/98	34	<0.10	0.20	1.5	<0.20	<0.30	0.40	<0.70	1.6	<0.20	<0.20	<0.20	<0.20	<1.0	0.3	<0.30	0.3	2
MW-11	Sidegradient	9/22/98	51	<0.30	<0.20	<1.1	<0.20	<0.90	<0.80	<0.80	2.1	<0.20	<0.20	<0.20	<0.60	<0.30	<0.30	<0.50	<0.2	<1
MW-11	Sidegradient	12/15/98	<26	<0.30	<0.20	<1.1	<0.20	<0.90	<0.80	<0.80	2.7	<0.20	<0.20	<0.20	<0.60	<0.30	<0.30	<0.50	<0.2	<1
MW-11	Sidegradient	3/11/99	NA	<0.2	<0.5	NA	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	1.85
MW-12	Plume	11/30/95	120	7.5	10	64	<1.0	47	<3.0	<4.0	<3.0	43	<1.0	16	<1.0	<1.0	<1.0	78	NA	NA
MW-12	Plume	4/3/97	0.6	3.5	3.1	3.1	1.1	3.4	5.6	3.6	<0.49	18	<0.2	<0.23	<0.63	<0.3	<0.49	44	NA	NA
MW-12	Plume	6/17/98	470	4.7	0.80	1.6	0.40	0.30	1.7	8.4	0.60	22	<0.20	<0.20	<0.20	<1.0	<0.20	14	0.9	5
MW-12	Plume	9/22/98	1,500	4.7	2.1	10	3.4	14.0	21.6	2.3	1.8	18	<0.20	<0.20	<0.60	<0.30	<0.30	3.7	0.3	<1
MW-12	Plume	12/15/98	2,700	11	4.8	3.4	0.90	18	5.2	2.9	<1.2	100	<0.20	<0.20	0.8	<0.30	<0.30	2.1	<0.2	<1
MW-12	Plume	3/11/99	NA	7.67	11.7	12.9	2.62	20.175	15.54	3.89	2.04	40.0	<0.5	<0.5	<0.5	<0.5	<0.4	1.59	<0.26	1.5
MW-12	Plume	8/5/99	NA	5.66	28.1	49.4	3.81	42.600	34.46	1.58	1.05	24.5	<0.15	<0.15	<0.15	<0.15	<0.4	0.53	NA	NA
WDNR PAL ¹			NS	0.5	140	8	68.6	96	124	80	200	85	0.5	7	0.5	40	0.5	0.02	0.5	1.5
WDNR ES ¹			NS	5	700	40	343	480	620	400	1000	850	NS	70	5	200	5	0.2	5	15

Table 1, Page 3
Summary of Groundwater Data-by well
COVANCE LABORATORIES-WASTE OIL TANK SITE
Madison, Wisconsin

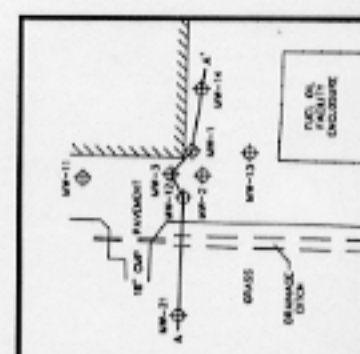
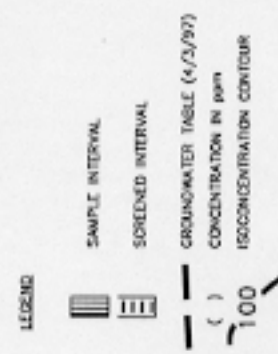
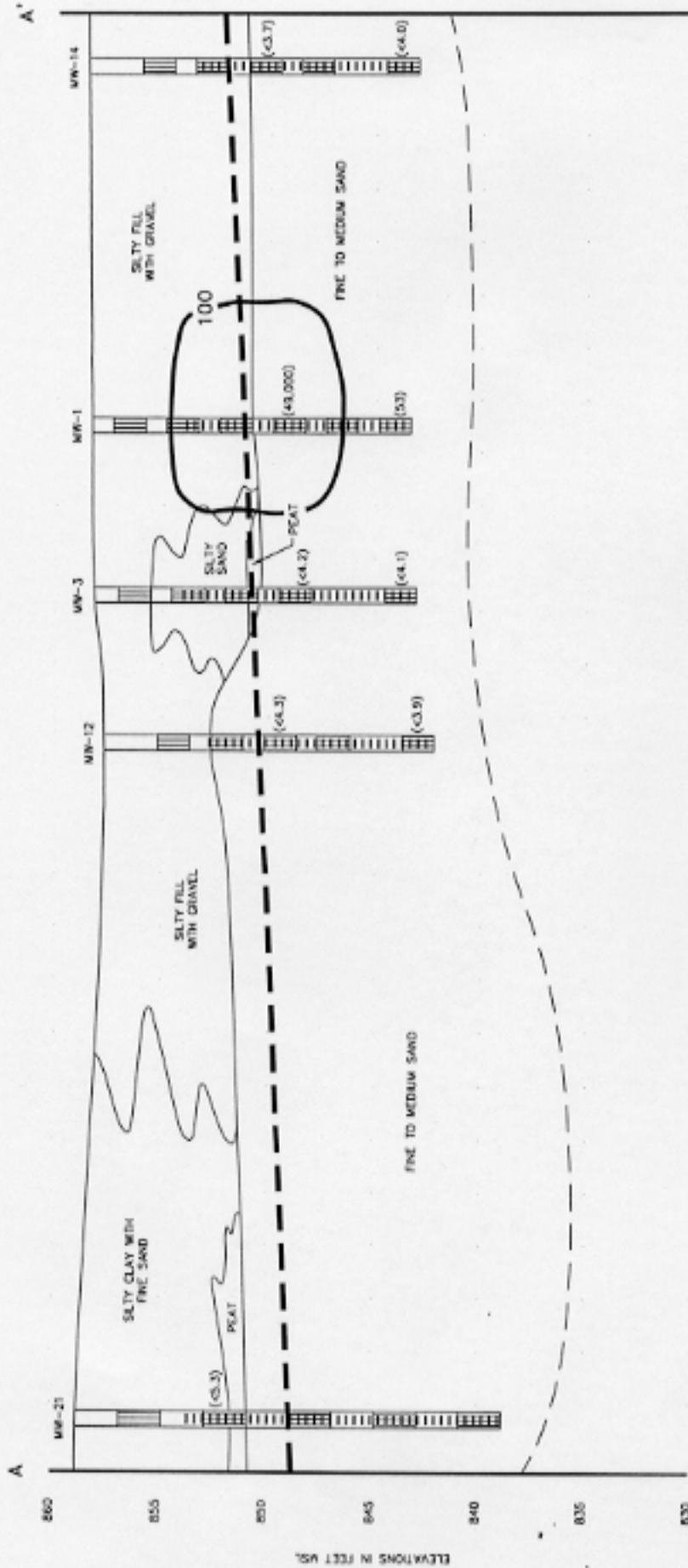
Sample I.D.	Well Location	Date Sampled	DRO	Benzene	Ethylbenzene	Naphthalene	Toluene	Trimethylbenzene (total)	Total xylenes	Chloroethane	Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	cis-1,2-Dichloroethane	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Cadmium	Lead
MW-13	Sidegradient	11/30/95	140	<0.5	<1.0	<1.0	<1.0	<2.0	<3.0	<4.0	<3.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<3.0	NA	NA
MW-13	Sidegradient	4/3/97	1.4	<0.3	<0.4	<0.4	<0.4	<0.6	<1.1	<1.2	<0.49	<0.25	<0.2	1.3	<0.63	<0.3	<0.49	1.7	NA	NA
MW-13	Sidegradient	6/17/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	<0.20	<1.0	NA	NA	NA	NA
MW-13	Sidegradient	9/22/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	Sidegradient	12/15/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	Sidegradient	3/11/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-14	Upgradient	11/30/95	<100	<0.5	<1.0	<1.0	<1.0	<2.0	<3.0	<4.0	8.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	NA
MW-14	Upgradient	4/3/97	<0.1	<0.3	<0.4	<0.4	<0.4	<0.6	<1.1	<1.2	<0.49	<0.73	<0.2	<0.23	<0.63	<0.3	<0.49	<0.5	NA	NA
MW-14	Upgradient	6/17/98	54	<0.10	<0.10	1.5	<0.20	<0.30	<0.30	<0.70	<0.40	<0.20	<0.20	<0.20	0.8	<1.0	0.4	<0.30	<0.2	NA
MW-14	Upgradient	9/22/98	260	<0.30	<0.20	<1.1	<0.20	<0.90	<0.80	<0.80	<1.2	<0.20	<0.20	<0.20	0.6	0.30	<0.30	<0.50	<0.2	NA
MW-14	Upgradient	12/15/98	<26	<0.30	<0.20	<1.1	<0.20	<0.90	<0.80	<0.80	<1.2	<0.20	<0.20	<0.20	<0.60	<0.30	<0.30	<0.50	<0.2	NA
MW-14	Upgradient	3/11/99	NA	<0.2	0.628	NA	<0.5	0.537	0.709	NA	NA	NA	NA	NA	<0.30	<0.30	<0.50	<0.50	0.3	NA
MW-21	Plume Edge	4/3/97	1.7	2.6	4.9	<0.4	0.8	0.4	4.4	<1.2	0.73	20	<0.2	92	<0.63	<0.3	1.7	0.8	NA	NA
MW-21	Plume Edge	6/17/98	1000	1.9	0.60	<0.10	<0.20	<0.30	0.80	0.70	<0.40	19	<0.20	52	<0.20	<1.0	2.3	0.7	0.9	3
MW-21	Plume Edge	9/22/98	500	1.5	1.3	<1.1	<0.20	0.6	<0.80	1.3	2.2	13	<0.20	35	4.0	<0.30	2.0	<0.50	<0.2	NA
MW-21	Plume Edge	12/15/98	160	<0.30	<0.20	<1.1	<0.20	<0.90	<0.80	<0.80	1.7	3.9	<0.20	12	<0.60	<0.30	1.7	<0.50	0.3	NA
MW-21	Plume Edge	3/11/99	NA	0.537	0.787	1.15	0.562	<0.5	0.784	<0.5	2.83	4.43	<0.5	14.1	<0.5	<0.5	<0.5	0.743	<0.26	1.5
MW-21	Plume Edge	8/5/99	NA	1.49	<0.5	<0.8	<0.4	<0.4	0.18	0.20	0.95	9.68	0.2	15.3	<0.15	<0.15	2.06	21.7	NA	NA
WDNR PAL ¹			NS	0.5	140	8	68.6	96	124	80	200	85	0.5	7	0.5	40	0.5	0.02	0.5	1.5
WDNR ES ²			NS	5	700	40	343	480	620	400	1000	850	5	70	5	200	5	0.2	5	15

Bold values are concentrations greater than the ES.
Italicized values are concentrations greater than the PAL.

All values reported in micrograms per liter (approximately parts per billion).

Notes: WDNR = Wisconsin Department of Natural Resources. 1 = Wis. Admin. Code NR 140.10 Table 1
ES = Enforcement Standard
PAL = Preventative Action Limit.
NS = No standard.

2 = Estimated value, concentrations was less than LOQ.
3 = Estimated value, exceeded criteria for percent difference on calibration check standard (>15%).



**Soil DRO Distribution
Cross-Section A-A'
Covance 1,000-Gallon
Waste Oil Lst Site
Madison, Wisconsin**

SCALE:
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=5'

FIGURE NO. **4.6**